CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/341/Cube/2017-18 22.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Project Sub Division, Dasarahalli Zone, BBMP, Bangalore.
* Agency	:	**Technical Manager,** KRIDL, Bangalore.
* Name of the work	:	Construction of RCC drain and CC roads at 3rd main and adjacent cross roads in Ravindra Nagara Ward No.13, BBMP, Bangalore.
* Reference	:	AEE/PSD/PR/01/2017-18 Dated: 20.05.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2017	22.06.2017	8.299	480.2	21.34
2	25.05.2017	22.06.2017	8.326	499.3	22.19
3	25.05.2017	22.06.2017	8.312	516.7	22.96

*Information is furnished by the Customer/Representative.

Note:

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

VIDYARANI P.K.
Technical Manager

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
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* Reference	:	AEE/PSD/PR/01/2017-18 Dated: 20.05.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2017	22.06.2017	8.125	485.5	21.58
2	25.05.2017	22.06.2017	8.265	490.2	21.79
3	25.05.2017	22.06.2017	8.302	506.7	22.52

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* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.05.2017	23.06.2017	8.113	474.6	21.09
2	26.05.2017	23.06.2017	8.256	492.5	21.89
3	26.05.2017	23.06.2017	8.380	508.4	22.60

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* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.05.2017	23.06.2017	8.123	490.5	21.80
2	26.05.2017	23.06.2017	8.226	505.5	22.47
3	26.05.2017	23.06.2017	8.305	515.8	22.92

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* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.05.2017	23.06.2017	8.115	510.2	22.68
2	26.05.2017	23.06.2017	8.257	528.9	23.51
3	26.05.2017	23.06.2017	8.380	537.8	23.90

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* Agency	:	**Technical Manager,** KRIDL, Bangalore.
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* Reference	:	AEE/PSD/PR/01/2017-18 Dated: 20.05.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2017	27.06.2017	8.125	710.5	31.58
2	30.05.2017	27.06.2017	8.290	728.6	32.38
3	30.05.2017	27.06.2017	8.350	738.2	32.81

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* Reference	:	AEE/PSD/PR/01/2017-18 Dated: 20.05.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.05.2017	27.06.2017	8.192	715.2	31.79
2	30.05.2017	27.06.2017	8.265	725.8	32.26
3	30.05.2017	27.06.2017	8.327	742.6	33.00

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* Agency	:	**Technical Manager,** KRIDL, Bangalore.
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* Reference	:	AEE/PSD/PR/01/2017-18 Dated: 20.05.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	28.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.05.2017	28.06.2017	8.162	705.5	31.36
2	31.05.2017	28.06.2017	8.225	710.6	31.58
3	31.05.2017	28.06.2017	8.305	730.4	32.46

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* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	28.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.05.2017	28.06.2017	8.269	705.2	31.34
2	31.05.2017	28.06.2017	8.398	714.8	31.77
3	31.05.2017	28.06.2017	8.415	720.3	32.01

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* Agency	:	**Technical Manager,** KRIDL, Bangalore.
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* Reference	:	AEE/PSD/PR/01/2017-18 Dated: 20.05.2017
* Sample ID	:	Dry Lean Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	Dry Lean Concrete
Compressive Strength as on	:	7^{th} day
Sample Received on	:	03.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.05.2017	03.06.2017	8.192	253.4	11.26
2	27.05.2017	03.06.2017	8.257	260.1	11.56
3	27.05.2017	03.06.2017	8.325	272.3	12.10

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